Bulletin of the Atomic Scientists
Index to Volume IX, 1953

Academic freedom, 187
(American Association of University Professors), 191–92, 194
(Association of American Universities), 188–90
(Meiklejohn), 193–94
Allison, Samuel K., 8–10
American Academy of Arts and Sciences, recommendations on visa policy, 20–21
American Association of University Professors, 191–92, 194
American Institute of Planners, 268
American Physical Society, statement on visa policy, 20
American Public Power Association, 134
Anshen, Ruth N. (Ed.), *Moral Principles of Action*, reviewed (Fermi), 316–17, 320
Appleton, Sir Edward, 354–58, 390
Association of American Universities, 188–90
Astin case, 103–04, 146; 196; 231; 287; 318–19
(Grobstein), 375, 388
Kelly report, 376–77
(Marks), 100–02
(Rabinowitch), 98–99
AEC appointments, 62; 229; 352
AEC budget, 195
AEC policy statement
(Dean), 314
Atomic power, *see* Nuclear power
Australia, atomic energy in, 30

Baldwin, Hanson, 91–92
Berkner, Lloyd V., 154–55, 180–81; 359–65
Bond, Horatio, 277–79
Bontecou, Eleanor, 215–17, 220
Book reviews
Anshen (Ed.), *Moral Principles of Action*, 316–17, 320
British government, "Government Scientific Organization in the Civilian Field," "Fourth and Fifth Annual Reports of the Advisory Council on Scientific Policy," 81–82
Conant, *Education and Liberty*, 147, 152
Isard and Whitney, *Atomic Power: An Economic and Social Analysis*, 152
Lapp, *The New Force*, 316
Bomb tests, *see* Weapons tests
Borst, Lyle B., 73–75
Breeding, *see* Nuclear power
Bregman, Judith, 93
Britain, cooperation with
(Lapp), 91
(Thomson), 46–48
Britain, atomic energy in, 64; 141–44; 145; 287; 352; 383
(Hinton), 366–68, 390
(Simon), 125–28
(Skinner), 156–61
Britain, scientific research in
(Dews), 81–82
(Price), 76–80
Bureau of Standards, *see* Astin case

Canada, atomic energy in, 30
Carlson, Anton J., 331
Cavers, David F., 269–72
Censorship, 352
CERN
(Wentzel), 223–24
Chapman, Dwight W., 280–82, 284
City planning
(American Institute of Planners), 268
(Monson), 265–67
Civil defense
(American Institute of Planners), 268
(Bond), 277–79
(Cavers), 269–72
(Chapman), 280–82, 284
(Husted), 273–76
(Lapp), 234–36
(Levine), 27–28
(McLean), 247–52, 288
(Monson), 265–67
(Parkman), 259–60, 279
(Peterson), 237–42
(Platt), 261–64
(Potts), 253–55
(Sawyer), 244–46, 272
(Sleevi), 26; 60–61; 95–96; 199; 232; 315; 388
(Smith), 283–84
(Stokley), 256–58
(Wiley), 243, 284
Cohen, Karl, 305–08
Cohn, Victor, 329–30
Communism
(Kennan), 296–98, 304
Communism and science
(Hollitscher), 54–57
(Moran), 49–53, 64
Compton, Arthur H., 10–12
Conant, James, *Education and Liberty*, reviewed
(Williams, J.), 147, 152
Congressional investigations, fair procedures in
(Morse), 211–14, 232
Coryell, Charles, 31–32

Daniels, Farrington, 164
Davis, Watson, 337–40
Dean, Gordon, 218, 226; 314
Defense, 229
(Berkner), 154–55, 180–81
(Oppenheimer), 202–05
(Parkman), 259–60, 279
(Potts), 253–55
(Waterman), 36–39
Denney, Reuel, 206–10, 224
Dews, Edmund, 81–82
Disarmament, 62; 230; 285
Doyle, William 21–22
DuBridge, Lee A., 151

Federation of American Scientists, Cambridge meetings
(Bregman and Halpern), 93
Fermi, Laura, 316–17, 320
Fifth Amendment, invoking of
(Kalven), 181–84, 200
(Meltzer), 176–80; 185–86, 200
Fissionable materials, breeding of
(Dean), 218, 226
Foreign policy
(Oppenheimer), 202–05
(Rabinowitch), 294–95, 298
(Seitz), 325–27, 336
(Thirring), 68–72, 96
(Winetrout), 58–60
France, atomic energy in, 352
Freedom of science
(Polanyi), 322, 340
(Rabinowitch), 13–15, 22; 34–35, 42
(Richter), 323–24

Grobstein, Clifford, 39–42; 221–22; 299–304; 375, 389
Government and science, 345–47; 389
(Berkner), 154–55, 180–81; 359–65
(DuBridge), 151
(Grobstein), 299–304
Joint Congressional resolution to establish a Joint Committee on Science, 108
(Tuve), 290–93
(Waterman), 36–39
Government research
(Grobstein), 221–22; 299–304
(Tuve), 290–93
(Waterman), 36–39

Halpern, I., 93
Hildebrand, Joel H., 23–25
Hinton, Sir Christopher, 366–68, 390
History of atomic bomb development
(Allison), 8–10
(Compton), 10–12
(Dean), 218, 226; 314
Hollitscher, Walter, 54–57
Husted, Ellery, 273–76
Hutchins, Robert M., 105–08

Immigration laws, *see* Visa procedures
India, atomic energy in, 30; 383
Industry and atomic energy, 109
(Cohen), 305–08
Joint Committee hearings, 309–14; 341–44; 380–82
Joint Committee Report, 135–40, 144
(Lerner), 110–14, 150–51
(Menke), 162–64
(Sporn), 129–34
(Weil), 165–68
(Weinberg), 120–24
(Zinn), 169–74
Inglis, David R., 114–19
International control of atomic energy
(Inglis), 114–19

International laboratory for nuclear research
(Wentzel), 223–24
Isard, Walter and Vincent Whitney, *Atomic Power: An Economic and Social Analysis*, reviewed
(Katzin), 152

Joint Committee on Atomic Energy, power hearings, 309–14; 341–44; 380–82
Joint Committee chairman, controversy over,
(Marks), 83–84, 94
Joint Committee on Atomic Energy, nuclear power report, 135–40, 144

Kaempffert, Waldemar, 228; 332–33, 350
Kalven, Harry Jr., 181–84, 200
Katzin, Leonard, 152; 225–26
Kennan, George F., 296–98, 304

Lapp, Ralph E., 91; 234–36
Lapp, Ralph E., *The New Force*, reviewed
(Rabinowitch), 316
Lerner, Abba, 110–14, 150–51
Levine, Murray S., 27–28
Loyalty, 2–3; 63; 175
(Hutchins), 105–08
(Kennan), 296–98, 304
(Stevenson), 16, 28
see also Academic freedom, Security, Fifth Amendment
Loyalty oaths, 29–30

Manpower, 30
(Katzin), 225–26
Marks, Anne W., 83–84, 94; 100–02
McCarran Act, *see* Visas
McLean, Joseph E., 247–52, 288
Medical uses of atomic energy, 90–91
Meiklejohn, Alexander, 193–94
Meltzer, Bernard D., 176–80; 185–86, 200
Menke, John R., 162–64
Monod, Jacques, 319–20
Monson, Donald, 265–67
Moran, Lawrence, 49–53, 64
Morse, Wayne D., 211–14, 232
Mulgrue, George, 197–98

National defense
(Seitz), 325–27, 336
National Science Foundation, 30; 230–31
(Grobstein), 39–42
(Waterman), 36–39
Nevada tests, *see* Weapons tests
Norway, atomic energy in,
(Randers), 369–71
Nuclear explosions, detection of, 44–45
Nuclear power, 29; 90, 91; 109; 145, 150; 196; 383
(American Public Power Association), 134
(Cohen), 305–08
(Dean), 314
(Inglis), 114–19

Joint Committee hearings, 309–14; 341–44; 380–82
Joint Committee report, 135–40, 144
(Lerner), 110–14, 150–51
(Menke), 162–64
(Simon), 125–28
(Skinner), 156–61
(Sporn), 129–34
(Weil), 165–68
(Weinberg), 120–24
(Zinn), 169–74

Oppenheimer, J. Robert., 202–05

Parkman, Henry, 259–60, 279
Peierls, R. E., 66–67
Peterson, Val, 237–42
Pitzer, Kenneth S., 164
Platt, William J., 261–64
Point IV
(Winetrout), 58–60
Polanyi, Michael, 322, 340
Potts, Ramsay D. Jr., 253–55
Power, *see* Nuclear power
Press, *see* Scientists and the press
Price, M. Philips, 76–80
Project East River
see Civil defense

Rabinowitch, Eugene, 3; 13–15, 22; 34–35, 42; 98–99; 294–95, 298; 316; 334–36; 372–74, 382
Randers, Gunnar, 369–71
Religion and science
(Moran), 49–53, 64
(Williams, I.) 219–20
Research
(Appleton), 354–58, 390
(Richter), 323–24
Richter, Curt P., 323–24
Rosenberg case, 30–31; 63–64; 196
(Monod), 319–20

Salisbury, Morse, 75
Sawyer, Roland, 244–46, 272
Science fiction
(Denney), 206–10, 224
Scientific manpower, *see* Manpower
Scientists and the press, 328
(Carlson), 331
(Cohn), 329–30
(Davis), 337–40
(Kaempffert), 332–33, 350
(Rabinowitch), 334–36
(Wylie), 330–31
Scientists' responsibilities
(Hildebrand), 23–25
(Peierls), 66–67
Secrecy, 348–49; 378
(Baldwin), 91–92
(Rabinowitch), 372–74, 382
(Wilson), 7, 12
Security, 150; 175; 318
(Bontecou), 215–17, 220
see also Freedom of science
Security, government, 63
Seitz, Frederick, 325–27, 336
Simon, Franz E., 125–28

Simpson, Alan, 187
Skinner, H. W. B., 156–61
Sleevi, Eugene J., 26; 60–61; 95–96; 199; 232; 315; 387
Smith, O. G., 283–84
Somervell, Brehon, 227
Soviet bombs, 285; 351–52
(Truman), 43, 45
Soviet Union, exchange of information with,
(Rabinowitch), 13–15, 22
Spies, *see* Rosenberg case
Sporn, Philip, 129–34
Stevenson, Adlai E., 16, 28
Stokley, Robert W., 256–58
Support of science, 345–47

Thirring, Hans, 68–72, 96
Thomson, Sir George, 46–48
Tornados and atom bombs
(Kaempffert), 228
Truman, Harry S., 4–6; 43, 45
Turkevich, Anthony, 85–89
Tuve, Merle A., 290–93

Uranium, 91
U.S. Atomic Energy Commission thirteenth semiannual report
(Turkevich), 85–89

Van Vleck, J. H. 228
Visas, 17–22; 196; 285–86; 386
(American Physical Society), 20
(American Academy of Arts and Sciences), 20–21
(Doyle), 21–22
McCarran Act, 62–63; 91, 94
(Van Vleck), 228

Warfare, use of gas in
(Somervell), 227
Waterman, Alan T., 36–39
Weapons, 383–84
(Seitz), 325–27, 336
Weapons tests, 44–45; 195–96
(Borst), 73–75
(Salisbury), 75
(Zeidler), 148–49
Weil, George L., 165–68
Weinberg, Alvin M., 120–24
Weiner, Betsy P., 147
Weizmann, Chaim (in memoriam), 31–32
Wentzel, A. L., 223–24
Wiley, Alexander, 243, 284
Williams, Ira Jewell Jr., 219–20
Williams, Jay, 147, 152
Wilson, Robert R., 7, 12
Winetrout, Kenneth, 58–60
World resources
(Mulgrue), 197–98
Wylie, Philip, 330–31

Zeidler, Frank P., 148–49
Zinn, Walter H., 169–74

6;

nation

thir-

Sci-

),